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Page 1 of 2

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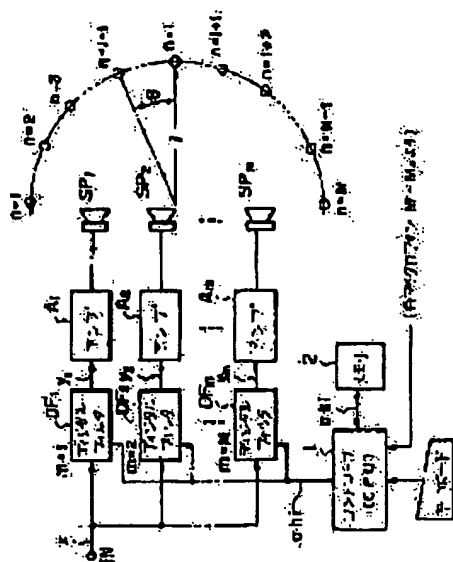
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(54) SPEAKER EQUIPMENT AND DIRECTIVITY CONTROL METHOD

(57)Abstract:

PURPOSE: To realize the speaker equipment and the directivity control method able to control variably and optionally not only the directivity in 2-dimension direction but also the directivity in 3-dimension through electric signal processing.

CONSTITUTION: The equipment is provided with a common input terminal IN receiving a voice signal to be sounded, plural speaker units SP1-SPm arranged in a line, and plural digital filters DF1-DFm whose filter coefficient calculated by the nonlinear optimizing method in response to the object directivity pattern of the sound radiation by the plural speaker units SP1-SPm are set corresponding to the speaker units SP1-SPm while being inserted and connected between the common input terminal IN and the speaker units SP1-SPm.



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